Bruhat Bangalore Mahanagara Palike

Name of work:Comprehensive Development of Balance Roads and Drains at Aditya Nagara Ananthapura Nisarga layout, Mahalakshmi layout yelahanka new town 4th and 5th phase Doddabettahalli village, Kaveri layout and surrounding areas in ward No-03 and 04 of yelahanka Division (Package No11)

Modified Schedule - B

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
1	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)	Sqm	0.00	116.81	Rupees One Hundred Sixteen And Paise Eighty One Only
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	6207.33	144.62	Rupees One Hundred Forty Four And Paise Sixty Two Only
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:4:8 with OPC @ 180kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per	Cum	1040.02	5897.97	Rupees Five Thousand Eight Hundred Ninety Seven And Paise Ninety Seven Only
4	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.43cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc, complete excluding cost of stell as per MORTH specification NO. 1500, 1700, 2200. Including	Cum	1833.87	7790.43	Rupees Seven Thousand Seven Hundred Ninety And Paise Forty Three Only

5	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.	Tonne	111.75	84113.86	Rupees Eighty Four Thousand One Hundred Thirteen And Paise Eighty Six Only
6	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:2:4 with OPC @ 240kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.53cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, [illegible]	Cum	16.05	6328.02	Rupees Six Thousand Three Hundred Twenty Eight And Paise Two Only
	Above 125%	Cum	1.24	6328.02	Rupees Six Thousand Three Hundred Twenty Eight And Paise Two Only
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 100mm thick and Finishing cutting , including form work, cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete.	Sqm	5000.48	2452.68	Rupees Two Thousand Four Hundred Fifty Two And Paise Sixty Eight Only
8	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge.	Sqm	0.00	5686.19	Rupees Five Thousand Six Hundred Eighty Six And Paise Nineteen Only
9	Removing & Refixing of Kerb Stone	M	153.00	110.13	Rupees One Hundred Ten And Paise Thirteen Only
10	Providing and Fixing pre cast Solid Cement Concrete Kerb stone made made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively	nos	5643.75	453.89	Rupees Four Hundred Fifty Three And Paise Eighty Nine Only
	Above 125%	Nos	6129.25	453.89	Rupees Four Hundred Fifty Three And Paise Eighty Nine Only

11	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications	Sqm	1336.50	89.00	Rupees Eighty Nine Only
	Above 125%	Sqm	298.73	89.00	Rupees Eighty Nine Only
12	KSRRB M400-18. Construction of Median and island above road level with approved material deposited at site from roadway cutting and excavation for drain and foundation of other structures, spread, graded and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No. 407	Cum	0.00	194.68	Rupees One Hundred Ninety Four And Paise Sixty Eight Only
13	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS	Sqm	800.63	1171.43	Rupees One Thousand One Hundred Seventy One And Paise Forty Three Only
	Above 125%	Sqm	1553.02	1171.43	Rupees One Thousand One Hundred Seventy One And Paise Forty Three Only
14	KSRRB 300-46. Scarifying by mechanical means stone metal crust 50mm to 100mm thick by along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM complete as per specifications. MORTH / Chapter 3	Sqm	8601.83	56.82	Rupees Fifty Six And Paise Eighty Two Only
15	KSRRB M300-14. Excavation for road work in all type of soil by mechanical means including cutting loading to tippers trimming bottom and side slopes in accordance with requirment of lines and cross sections and transportation with a lead of 1.00 km and complete as per specification	Cum	1216.34	56.36	Rupees Fifty Six And Paise Thirty Six Only

16	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.	Sqm	11642.66	6.67	Rupees Six And Paise Sixty Seven Only
17	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications	Cum	1746.40	2093.67	Rupees Two Thousand Ninety Three And Paise Sixty Seven Only
18	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	2470.11	2100.34	Rupees Two Thousand One Hundred And Paise Thirty Four Only
19	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	10978.46	35.60	Rupees Thirty Five And Paise Sixty Only
20	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications. Clause 501 of MORTH V revision	Sqm	13042.09	5.56	Rupees Five And Paise Fifty Six Only
	Above 125%	Sqm	2242.19	5.56	Rupees Five And Paise Fifty Six Only

21	KSRRB 500-11. Providing and laying bituminous macadam on Prepared Surface with crushed Coarse aggregates as per Design mix formulae for base/binding course including loading of aggregates with F.E loader,Hot mixing of Stone aggregates and bitumen in Hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve desired density but	Cum	883.25	7653.79	Rupees Seven Thousand Six Hundred Fifty Three And Paise Seventy Nine Only
22	KSRRB 500--10 Providing and applying tack coat using 80/100 grade Sqm bitumen(VGIO) in boiler fitted with spray set distributor at the rate of 0.25 kg per Sqm on the existing prepared bituminous surface cleaned with mechanical broom, complete as per specifications.	Sqm	17665.10	13.35	Rupees Thirteen And Paise Thirty Five Only
23	KSRRB M500-19: providing and laying bituminous concrete 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled,	Cum	706.60	8967.62	Rupees Eight Thousand Nine Hundred Sixty Seven And Paise Sixty Two Only
24	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes	Sqm	734.36	477.25	Rupees Four Hundred Seventy Seven And Paise Twenty Five Only
25	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/	Nos	712.00	374.90	Rupees Three Hundred Seventy Four And Paise Ninety Only

26	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length	Cum	62.48	4262.32	Rupees Four Thousand Two Hundred Sixty Two And Paise Thirty Two Only
	Above 125%	Cum	3.51	4262.32	Rupees Four Thousand Two Hundred Sixty Two And Paise Thirty Two Only
27	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2026, with Superplastizer at 3 lts conforming to IS 9203-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 225 micron thick polythene film wedge steel plates	Cum	93.71	5913.20	Rupees Five Thousand Nine Hundred Thirteen And Paise Twenty Only
	Above 125%	Cum	5.27	5913.20	Rupees Five Thousand Nine Hundred Thirteen And Paise Twenty Only
28	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter	Cum	6210.25	76.84	Rupees Seventy Six And Paise Eighty Four Only
	EIRL				

E1	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.	Cum	353.10	5505.64	Rupees Five Thousand Five Hundred Five And Paise Sixty Four Only
E2	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per [illegible]	Sqm	72.80	1019.72	Rupees One Thousand Nineteen And Paise Seventy Two Only
E3	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing, including cost of materials, labour, HOM complete as per specifications. Specifications. No. KSRB 1000, 2300-do-450mm. dia	M	10.00	2737.98	Rupees Two Thousand Seven Hundred Thirty Seven And Paise Ninety Eight Only
E4	KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.	Qtl	7.69	7618.22	Rupees Seven Thousand Six Hundred Eighteen And Paise Twenty Two Only

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